

SOUTHAMPTON  
PORT SANITARY AUTHORITY.



THE ELEVENTH  
**Annual Report**  
ON THE  
PORT OF SOUTHAMPTON,  
For the Year 1902,

BY

R. E. LAUDER, F.R.C.S., Ed., D.P.H.,

*Medical Officer of Health to the County Borough and Port of Southampton.*

---

Southampton :

PRINTED AT THE "SOUTHAMPTON TIMES" STEAM PRINTING WORKS  
70, ABOVE BAR.

MDCCCCIII.

SOUTHAMPTON  
**PORT SANITARY AUTHORITY**

**ANNUAL REPORT**

*For the Year ending 31st December, 1902.*

TO THE MAYOR, ALDERMEN, AND COUNCILLORS  
OF THE  
COUNTY BOROUGH OF SOUTHAMPTON.

GENTLEMEN,

I have the honour to present to you the eleventh annual report on the Port of Southampton for the year ending 31st December, 1902.

As in previous years, all vessels arriving from Ports infected or suspected to be infected with cholera, yellow fever, plague, or small-pox have been boarded off Netley and medically inspected before being allowed to proceed to dock. Owing to the large number of troops returning from South Africa and India this has necessitated a great amount of attention and work, details of which are given in this report.

The number of persons (passengers and crews) arriving in the port amounted to 472,927, being an increase of over 123,000 over the previous year, and an increase of 375,000 compared with 1892.

No case of plague or cholera occurred in the Port or Town, notwithstanding the large number of vessels which arrived during the year from plague and cholera infected districts.

I desire to again place on record the valuable aid I have received from the naval and military representatives and the various shipping companies of the Port, without which help it would be necessary to considerably augment the staff.

I am, Gentlemen,

Your obedient Servant,

R. E. LAUDER,

*Port Medical Officer.*

## STATISTICS.

By the courtesy of the Board of Trade I am enabled to append particulars contained in Table (A), showing the number of passengers who left for places out of Europe and the number of passengers arriving from such places.

The record shows a large increase in the number of persons who left for and arrived from places out of Europe.

The number of aliens who arrived from the Continent amounted to 4,765, more than double the number that arrived at this Port in the previous year. The medical examination of emigrants embarking is carried out by the Board of Trade's Medical Officer.

The information in Table (B) is supplied by the Customs Authorities, and shows the number and tonnage of vessels arriving in the Port, together with the number of crews and passengers.

The total number of passengers and crews arriving from all countries amounted to 472,927. This is an increase of no less than 123,702 persons arriving in the Port last year compared with 1901, and is partly accounted for by the large number of troops returning from South Africa.

Several large vessels arrived in the river to disembark passengers for Southampton. Records are obtainable of persons landing only, and not of passengers or crews in transit to other ports.

\* TABLE A.

PASSENGERS.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.
Number of Passengers who left for places out of Europe and not within the Mediterranean Sea....	41,563	52,045	67,253	69,020	60,059	44,034	49,662	64,998	58,829	87,030
Number of Alien Passengers who arrived from the Continent as Deck Passengers, or who after landing proceeded by train as third class passengers..	391	1,869	2,363	1,190	940	891	1,174	1,538	1,981	4,765

\* For the Figures in this Table, I am indebted to the Board of Trade.

TABLE B.

RETURN OF SHIPS' TONNAGE, PASSENGER ARRIVALS, etc., FOR TEN YEARS,  
1893 to 1902.

Year.	Number of Arrivals from Foreign.	Number of Arrivals from Home Ports (Coasters).	Number of Passengers arriving at the Port from Ports other than Jersey.	Number of Passengers arriving from Jersey.	Number of Crews Arriving.	Number of Ships of 2,000 Tons and upwards.	Number of Ships under 2,000 Tons	Net Tonnage of Vessels entering the Port
1893	*2,221	8,609	43,391	27,581	70,614	416	1,807	2,936,973
1894	*2,458	9,165	66,371	30,705	76,680	453	2,005	3,167,864
1895	*2,501	9,443	70,334	30,500	87,998	475	1,963	3,435,938
1896	*2,614	9,818	74,310	30,274	91,867	438	2,176	3,596,945
1897	*2,587	10,134	81,594	31,784	90,545	472	2,115	3,849,553
1898	*2,768	10,043	82,140	31,474	100,719	539	2,229	4,155,071
1899	*2,791	9,538	96,637	27,915	103,748	683	2,108	4,257,035
1900	*2,812	10,025	122,449	27,776	109,382	687	2,125	4,822,384
1901	*2,873	10,233	146,181	28,693	174,351	703	†12,403	4,871,876
1902	*3,012	10,955	253,225	30,104	189,598	714	†13,253	5,355,291

\*(1893)—278 of these vessels called here without reporting; no record of Crews or Passengers remaining on board; no average possible

ditto

All Passengers other than those from Jersey are included in column marked "A"; 30,165 of which arrived from the Continent of Europe in 1902.

Including Coasters.

TABLE  
ZYMOTIC

The following Table gives particulars of Vessels reported as measures adopted in each case by the direction of the Port Medical

Date.		Name of Vessel.	Where from.	Nature of Sickness.
1902.				
1—January	2	S.S. Anversville	Matadi	Malarial Fever
2—January	5	S.S. Bavarian (H.M. Transport)	Cape Town	Three cases of Enteric, Malarial.
3—January	5	S.S. Syria (H.M. Transport)	Bombay	Chicken Pox
4—January	10	S.S. Harlech Castle (H.M. Transport)	Bermuda	Two cases of Enteric. Cases of Measles
5—January	11	S.S. Oratava (H.M. Transport)	Cape Town	Two cases of Enteric
6—January	12	S.S. Nile	La Plata	Scarlet Fever
7—January	20	S.S. Canada (H.M. Transport)	Cape Town	Two convalescent cases of Enteric
8—January	20	S.S. Dunera (H.M. Transport)	Cape Town	Three cases of Enteric
9—January	24	S.S. Adolph Woermann	Cameroons	Two cases of Malarial
10—January	24	S.S. Kildonan Castle	East London	Scarlet Fever
11—January	24	S.S. Mohawk (H.M. Transport)	Cape Town	One convalescent case of Enteric
12—January	26	S.S. Danube	La Plata	One convalescent case of Enteric. Two cases of Measles
13—January	27	S.S. Konig Albert	Yokohama	Two cases of Enteric
14—January	29	S.S. Hardinge (R.I.M.S.)	Bombay	One doubtful case of Enteric. One case German Measles, and one case of Diphtheria
15—January	31	S.S. Saxon	East London	Erysipelas
16—February	4	S.S. Tintagel Castle	Mossel Bay	Malarial Fever and Glandular Swelling
17—February	7	S.S. Hans Wooermann	Lagos	Malaria

C.

## DISEASES.

having, or having had, Zymotic Disease on Board, with the Officer.

## REMARKS.

- 1—Case recovered.
- 2—Enteric cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.
- 3—Vessel boarded by M.O.H. who examined case and removed it to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 4—Enteric cases transferred at Bermuda. Measles occurred on voyage from Cape Town to Bermuda. Disinfection carried out.
- 5—One case died at sea, the other removed to Hospital. Disinfection carried out by Port Sanitary Authority.
- 6—Case landed at Rio. Disinfection carried out.
- 7—Cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.
- 8—One case Enteric died. Other two cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.
- 9—No action taken.
- 10—Case occurred on outward voyage. Disinfection carried out.
- 11—Case removed. Disinfection carried out by Port Sanitary Authority.
- 12—Measles cases landed at Lisbon and Vigo. Bedding disinfected. Cabin disinfected by Port Sanitary Authority.
- 13—Cases landed at Shanghai.
- 14—Case of Diphtheria died at sea. Disinfection carried out. Other cases removed.
- 15—Case occurred on outward voyage. Disinfection carried out by Port Sanitary Authority.
- 16—Glandular Swelling well.
- 17—Case recovered.

Date.		Name of Vessel.	Where from.	Nature of Sickness.
18—February	8	S.S. Kinfauns Castle	Cape Town	One case simple Glandular Swelling
19—February	11	S.S. Roslin Castle (H.M. Transport)	Cape Town	Four cases of Enteric
20—February	11	S.S. Montrose (H.M. Transport)	Bermuda	Glandular Swelling, 1 ; Measles, 127 ; Enteric, 3 ; Dysentery, 3 ; Remittent Fever, 2. Deaths on board—Measles, 3 ; Phthisis, 1 ; Pneumonia, 2 ; Dysentery, 1 ; Enteric, 3
21—February	12	S.S. Plassy (H.M. Transport)	Cape Town	Two cases of Enteric, Remittent Fever. Measles
22—February	12	S.S. Phillipville	Matadi	Thirty-two cases of Malaria. Three deaths from Malaria Fever
23—February	24	S.S. Magdalena	La Plata	Two cases of Measles
24—February	24	S.S. Alexandra Woermann	Cameroons	Four cases of Malaria
25—February	26	S.S. Assaye (H.M. Transport)	Bombay	Three cases of Enteric. One case of Scarlet Fever
26—March	2	S.S. Avoca (H.M. Transport)	Durban	Five cases of Enteric amongst Troops
27—March	2	S.S. Patrochus	Colombo	Several cases of Malaria Fever
28—March	4	S.S. Orient (H.M. Transport)	Cape Town	Two cases of Enteric. One case Phthisis
29—March	5	S.S. Minho	Santos	One case of Enteric Fever. One slight case of Malaria
30—March	6	S.S. Sicilia (H.M. Transport)	Durban	One case Enteric Fever
31—March	7	S.S. Briton	Durban	One case Diphtheria
32—March	9	S.S. Thames	La Plata	One case Beri-Beri
33—March	13	S.S. Britannic (H.M. Transport)	Durban	Two cases of Enteric Fever. Several cases of Malaria Fever

## REMARKS.

18 - No action taken.

19 - Two cases of Enteric disembarked at Cape Town. The other two removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

20 - Measle cases landed at Bermuda. Other cases removed to Hospital. 569 articles of bedding removed from after Lower Hospital for Disinfection. Sprayed out with Formalin and Glycerine by Port Sanitary Authority.

21 - Enteric cases removed to Hospital. Remittent Fever died at sea. Measles (convalescent) case removed with mother to Hospital, to be disinfected and discharged. Disinfection on ship carried out by Port Sanitary Authority.

22 - No action taken.

23 - Measles case landed at Vigo. Bedding destroyed. Ship's Hospital disinfected.

24 - One landed at Madeira, one landed at Southampton, two proceeded in vessel to Hamburg.

25 - Enteric cases landed at Aden, Scarlet Fever case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

26 - Cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.

27 - No action taken.

28 - The cases of Enteric removed to Hospital. Disinfection carried out by Port Sanitary Authority.

29 - Cases recovered. Disinfection carried out. Bedding thrown overboard.

30 - Enteric case died. Disinfection carried out.

31 - Case recovered. Disinfection carried out by Port Sanitary Authority.

32 - Case died.

33 - Enteric cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.

Date.		Name of Vessel.	Where from.	Nature of Sickness.
34—March	14	S.S. Gaika	Algoa Bay	One case Enteric Fever
35—March	18	S.S. Nubia (H.M. Transport)	Durban	Three cases of Enteric Fever
36—March	24	S.S. Guelph	Delagoa Bay	Six cases of Enteric
37—March	27	S.S. Manila (H.M. Transport)	Cape Town	One case of Enteric Fever. Two cases of Dysentery. One case Malaria
38—March	27	S.S. Helene Woermann	Cameroons	One case Malaria
39—April	1	S.S. Canada (H.M. Transport)	Cape Town	One case Enteric
40—April	2	S.S. Philadelphia	New York	One case of Measles
41—April	3	S.S. Dilwara (H.M. Transport)	Cape Town	Two cases of Enteric
42—April	4	S.S. Hardinge R.I.M.S.	Bombay	Several cases of Malaria. One case of Enteric Fever
43—April	4	S.S. Dunera H.M.H.S.	Durban	Two cases of Enteric
44—April	6	S.S. Nile	Buenos Ayres	One case of Yellow Fever
45—April	8	S.S. Albertville	Congo	One case of Malaria
46—April	10	S.S. Roslin Castle	Cape Town	Simple continued Fever
47—April	11	S.S. Sachsen	Yokohama	One Death from Enteric
48—April	11	S.S. Wakool (H.M. Transport)	Durban	One case of Enteric Fever
49—April	11	S.S. Edward Bohlen	Savokapmond	One case of Malaria Fever
50—April	15	S.S. City of Vienna (H.M. Transport)	Cape Town	Two cases of Enteric Fever. One case Malaria.
51—April	18	S.S. Plassy (H.M. Transport)	Bombay	Three cases of Measles
52—April	21	S.S. Bavarian (H.M. Transport)	Bombay	Two cases of Whooping Cough

## REMARKS.

34—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

35—One case removed to Netley. Two cases removed by Port Sanitary Authority. Disinfection carried out by Port Sanitary Authority.

36—Enteric cases removed. Disinfection carried out by Port Sanitary Authority.

37—Enteric case went to Hospital. Bedding removed with case. Disinfection carried out by Port Sanitary Authority.

38—No action taken.

39—Enteric case removed to Hospital. Bedding removed with case. Disinfection on ship carried out by Port Sanitary Authority.

40—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

41—Enteric case removed. Disinfection on ship carried out by Port Sanitary Authority.

42—Enteric case removed to Hospital. Bedding disinfected on board. Women's Hospital sprayed with formalin by Port Sanitary Authority.

43—Cases removed to Hospital. Bedding went with cases. Disinfection carried out by Port Sanitary Authority.

44—Case embarked at Rio March 6th, landed at Buenos Ayres March 10th. Bedding used by patient thrown overboard. Disinfection carried out by Local Authority at Buenos Ayres, including most of ship's linen.

45—No action taken.

46—Ditto.

47—Ditto.

48—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

49—No action taken.

50—Cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.

51—Cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.

52—No action taken.

Date.		Name of Vessel.	Where from.	Nature of Sickness.
53—April	25	S.S. Lismore Castle	Natal	One case of Enteric Fever
54—April	26	S.S. Dunvegan Castle	East London	One case Enteric
55—April	27	S.S. Adolph Woermann	Cameroons	One case Dysentery. Several cases of Malaria
56—April	28	S.S. Armenian (H.M. Transport)	Bombay	One case suspected Small Pox landed at Port Said April 17th
57—April	28	S.S. Stanleyville	Congo	Several cases of Malaria
58—May	1	S.S. St. Paul	New York	One case of German Measles
59—May	3	S.S. Victorian (H.M. Transport)	Cape Town	Fives cases of Measles
60—May	9	S.S. Bayern	Yokohama	One Death from Enteric
61—May	9	S.S. Britannic (H.M. Transport)	Cape Town	One case of Enteric
62—May	11	S.S. Montrose (H.M. Transport)	Durban	One Death from Enteric
63—May	13	S.S. Sicilia (H.M. Transport)	Cape Town	One case Enteric. One case of Measles
64—May	13	Oratava (H.M. Transport)	Cape Town	One case of Enteric
65—May	14	S.S. Goorkha	Algoa Bay	Malaria and Diarrhoea
66—May	16	S.S. Arundel Castle	Cape Town	One case of Enteric
67—May	17	S.S. Briton	Natal	Nine cases of Measles on outward voyage
68—May	17	S.S. Thames	Enseveda	One death from Scarlet Fever
69—May	21	S.S. Phillipville	Banana	Thirty-one cases of Malaria
70—May	22	SS. Orient (H.M. Transport).	Durban	Convalescent Enteric cases
71—May	27	S.S. Alexandra Woermann	Cameroons	Many cases of Malaria

## REMARKS.

53—Enteric case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

54—Case of Enteric removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

55—No action taken.

56—Infected part of ship disinfected. Infected bedding and effects destroyed.

57—No action taken.

58—Case recovered. Disinfection carried out by Port Sanitary Authority.

59—All recovered. Disinfection carried out by Port Sanitary Authority.

60—No action taken.

61—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

62—Bedding destroyed. Disinfection carried out by Port Sanitary Authority.

63—Case of Enteric removed to Hospital. Case of Measles removed to Isolation Hospital, and disinfection carried out by Port Sanitary Authority.

64.—Enteric case removed. Disinfection carried out by Port Sanitary Authority.

65—No action taken.

66—Case of Enteric, convalescent. Disinfection carried out. Vessel proceeded to London.

67—Cases landed at Natal. Disinfection carried out by Natal Sanitary Authority.

68—Disinfection carried out by Port Sanitary Authority.

69—Two deaths from Malaria.

70—Two cases of Enteric removed to hospital. Disinfection carried out by Port Sanitary Authority.

71—No action action.

Date.		Name of Vessel.	Where from.	Nature of Sickness.
72—May	27	S.S. Canada (H.M. Transport)	Cape Town	Three cases of Enteric Fever
73—May	29	S.S. Westermore (H.M. Transport)	Cape Town	Two cases of Enteric, and one doubtful case
74—May	30	S.S. Darwin	Ship Island	One case of Typhoid Fever
75—May	31	S.S. Carisbrook Castle	East London	One case of Enteric
76—June	2	S.S. Greek	Delagoa Bay	Two cases of Enteric
77—June	4	Dilwara (H.M. Transport)	Cape Town	Two cases of Enteric
78—June	9	S.S. Anversville	Banana	Twenty cases of Malaria
79—June	10	S.S. Guelph	Cape Town	One case of Enteric
80—June	11	S.S. Hans Woermann	Cameroons	Several cases of Malaria
31—June	14	S.S. Saxon	Natal	One case of Malaria
82—June	15	S.S. Nubia	Durban	Two cases of Enteric
83—June	18	S.S. Kronprinz Wilhelm	Bremen	One case of Measles
84—June	19	S.S. St. Louis	New York	One case of Chicken Pox
85—June	20	S.S. Weimar	Sydney	One case of Malaria
86—June	21	S.S. Kinfauns Castle	Natal	One case of Enteric
87—June	21	S.S. Plassy (H.M. Transport)	Cape Town	Three cases of Enteric. Two cases of Measles. One case of Enlarged Glands
88—June	24	S.S. Bavarian (H.M. Transport)	Cape Town	One case of Enteric
89—June	24	S.S. Syria (H.M. Transport)	Durban	One case of Enteric. One case of probably Enteric
90—June	27	S.S. Norman	East London	One case of suspected Enteric
91—June	28	S.S. Helene Woermann	Duala	Several cases of Dysentery and Malaria

## REMARKS.

72—Two cases recovered. One case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

73—Enteric cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.

74—Case removed to Iso'ation Hospital. Disinfection carried out by Port Sanitary Authority.

75—Case landed at Cape Town. Disinfection carried out.

76—Cases landed at Port Elizabeth. Disinfection carried out by Port Sanitary Authority.

77—Enteric removed to Hospital. Disinfection carried out by Port Sanitary Authority.

78—Cases all recovered.

79—Case proceeding to London in ship.

80—No action taken.

81—Died at Sea.

82—Cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.

83—Child, steerage passenger, proceeding in ship to New York.

84—Case removed, with mother and other child, to Hospital. Disinfection carried out by Port Sanitary Authority.

85—No action taken.

86—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

87—One case of Enteric died. Other two cases of Enteric and one case of Measles removed to Hospital. One case Measles recovered. Disinfection carried out by Port Sanitary Authority.

88—Case died at sea.

89—Cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.

90—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

91—No action taken.

Date.		Name of Vessel.	Where from.	Nature of Sickness.
92—July	2	S.S. Dunera (H.M. Transport)	Durban	Four cases of Enteric.
93—July	8	S.S. Prinz R. Luitpold	Yokohama	Several cases of Malaria
94—July	8	S.S. Assaye (H.M. Transport)	Durban	One case of Chicken Pox
95—July	12	S.S. Walmer Castle	Durban	Four cases of Enteric. One case of Measles
96—July	12	S.S. Oratava (H.M. Transport)	Cape Town	One case of Small Pox
97—July	12	S.S. Darmstadt	Sydney	One case of Measles
98—July	15	S.S. Ernest Woermann	Cameroons	Several cases of Malaria
99—July	16	Wakool (H.M. Transport)	Durban	One case enteric
100—July	16	S.S. Philadelphia	New York	One case of Measles
101—July	24	S.S. Avondale Castle	Algoa Bay	Three cases of Enteric Fever. One case of Elevated Tempera- ture
102—July	26	S.S. Gaika	Cape Town	Five cases of Enteric. One case fatal amongst troops
103—July	30	Avoca (H.M. Transport)	Durban	One death from Diar- rhœa. Two cases and one death En- teric
104—July	31	S.S. German	Cape Town	Two cases of Enteric
105—July	31	S.S. St. Louis,	New York	One case continued Fever
106—August	2	S.S. La Plata	Barbadoes	Several cases of Ma- laria
107—August	2	S.S. Carisbrook Castle	Natal	One case Elevated Temperature
108—August	3	S.S. Nettleton	Sulina	One case of Diph- theria
109—August	3	S.S. Malta (H.M. Transport)	Cape Town	One case of Scarlet Fever

## REMARKS.

92—Cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.

93—Cases landed at Genoa.

94—Case removed, with mother and sister, to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

95—Two cases of Enteric removed to Netley Hospital; one case of Enteric (a member of crew) to Isolation Hospital; one case of Enteric (first-class passenger) removed to Private Nursing Home; one case Measles, recovered. Disinfection carried out by Port Sanitary Authority.

96—Case, bedding, and effects removed in steam ambulance to Port Sanitary Hospital Ship. Disinfection carried out by Port Sanitary Authority.

97—Case recovered.

98—No action taken.

99—Disinfection carried out by Port Sanitary Authority. Case removed to Hospital.

100—Removed to Isolation Hospital, with bedding and effects. Disinfection carried out by Port Sanitary Authority.

101—Cases of Enteric landed at Queenstown. Disinfection carried out.

102—Cases removed to Netley. Vessel proceeded to London. Disinfection carried out.

103—Disinfection carried out by Port Sanitary Authority. One case of Enteric removed to Hospital.

104—One case landed at Cape Town. The other removed to Hospital. Disinfection to be carried out.

105—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

106—No action taken.

107—Cabin disinfected by Port Sanitary Authority.

108—Case removed to Hospital at Sulina. Bedding thrown overboard. Disinfection carried out.

109—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

Date.		Name of Vessel.	Where from.	Nature of Sickness.
110—August	4	S.S. Dunolly Castle	Delagoa Bay	Four cases of Enteric
111—August	9	S.S. Kildonan Castle	Natal	One case of Enteric
112—August	9	S.S. Alnwick Castle	Cape Town	One case of Enteric
113—August	9	S.S. St. Andrew	Durban	One case continued Fever (Convalescent)
114—August	10	S.S. Custodian (H.M. Transport)	Durban	Two cases of Measles
115—August	11	S.S. Goorkha	Algoa Bay	One case Enteric
116—August	14	S.S. Edward Bohlen	Cameroons	One case of Malaria
117—August	15	S.S. Albertville	Banana	One case of Dysentery and one case Diarrhoea
118—August	15	S.S. Fort Salisbury	Cape Town	Two cases of Enteric
119—August	15	S.S. Southwark	New York	One doubtful case of Small-Pox
120—August	16	S.S. Saxon	Natal	One case Malaria
121—August	17	S.S. Tintagel Castle	East London	One case of Enteric Fever
122—August	19	S.S. Orissa (H.M. Transport)	Cape Town	One case of Measles (convalescent). One case of Scarlet Fever
123—August	25	S.S. Arundel Castle	Durban	One case of Enteric. Two cases of Elevated Temperature
124—August	27	S.S. Goth, H	Durban	Crew, one case of Enteric (died at sea); troops, two cases of Enteric (of which one was landed at Cape Town); one case of Measles
125—August	27	S.S. Aurania (H.M. Transport)	Durban	Crew, one case of Enteric; troops, two cases of Measles
126—August	28	S.S. Maplemore (H.M. Transport)	Cape Town	One case Enteric

## REMARKS.

110—Three cases removed to Isolation Hospital, the other case convalescent. Disinfection carried out. Vessel proceeded to London.

111—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

112—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

113—Troop Hospital disinfected by Port Sanitary Authority.

114—One case removed to Hospital. The other case convalescent. Disinfection carried out by Port Sanitary Authority.

115—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

116—No action taken.

117—Cases now well, and proceeding in vessel to Antwerp.

118—Cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.

119—Case removed to Hospital Ship with attendant. Disinfection carried out by Port Sanitary Authority.

120—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

121—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

122—Case of Scarlet Fever removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

123—Cases removed to Hospital. Disinfection on ship carried out by Port Sanitary Authority.

124—Case of Measles and Enteric removed to Netley Hospital. Disinfection carried out by Port Sanitary Authority.

125—Enteric case removed to Isolation Hospital. Measles case removed to Netley. Disinfection carried out by Port Sanitary Authority.

126—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

Date.		Name of Vessel.	Where from.	Nature of Sickness.
127—August	28	S.S. Berwick Castle	Durban	Two cases of simple continued Fever
128—August	28	S.S. Sachsen	Yokohama	Some cases of Malaria
129—Sept.	1	S.S. Anversville	Bona	One death Malaria, fourteen cases of Malaria, one case of Dysentery
130—Sept.	2	S.S. Syria (H.M. Transport)	Cape Town	One case of Glandular Swelling (convalescent)
131—Sept.	5	S.S. Dunvegan Castle	Durban	One case of Measles. One case of Enteric
132—Sept.	7	S.S. Plassy (H.M. Transport)	East London	One case Erysipelas
133—Sept.	10	S.S. Kronprinz Wilhelm	Bremen	One case of Measles, going on in vessel to New York
134—Sept.	11	S.S. Dominion (H.M. Transport)	Cape Town	Four cases of Enteric
135—Sept.	11	S.S. Orcana (H.M. Transport)	Cape Town	Convalescent case of Enteric
136—Sept.	12	S.S. Manila (H.M. Transport)	Durban	Forty Convalescent cases of Enteric Fever
137—Sept.	12	S.S. Orinoco	Barbadoes	One case of Malaria Fever
138—Sept.	13	S.S. Walmer Castle	Cape Town	Troops—One case of Enteric Fever. Passengers — One case of Enteric. One case of Measles
139—Sept.	15	S.S. Koningin Louise	New York	One case of Enteric
140—Sept.	18	S.S. St. Louis	New York	One case of Enteric
141—Sept.	19	S.S. Doune Castle	Cape Town	One case Erysipelas
142—Sept.	19	S.S. Aline Woermann	Cameroons	Several cases of Malaria
143—Sept.	21	S.S. Oswestry Grange (H.M. Transport)	Cape Town	One case Enteric
144—Sept.	22	S.S. Sunda (H.M. Transport)	Cape Town	One case Elevated Temperature

## REMARKS.

127—No action taken.

128—No action taken.

129—No action taken.

130—Disinfection carried out by Port Sanitary Authority.

131—Case of Measles removed to Netley. Enteric Fever removed to Isolation Hospital. Disinfection on ship carried out by Port Sanitary Authority.

132—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

133—No action taken.

134—Cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.

135—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

136—No action taken.

137—No action taken.

138—Case of Enteric amongst troops removed to Netley. Case of Enteric and case of Measles amongst passengers removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

139—Case landed from the ship by tender, and removed to Isolation Hospital. Cabin on tender disinfected by Port Sanitary Authority.

140—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

141—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

142—No action taken.

143—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

144—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

Date.		Name of Vessel.	Where from.	Nature of Sickness.
145—Sept.	23	S.S. Phillipville	Banana	Several cases of Malaria
146—Sept.	24	S.S. Philadelphia	New York	One case of Measles (Convalescent)
147—Sept.	24	S.S. Tagus (H.M. Transport)	Cape Town	One case of Erysipelas
148—Sept.	26	S.S. Bayern	Yokohama	One case Enteric Fever (recovered). Several cases of Malaria
*				
149—Sept.	30	S.S. Wilcannia	Sydney	One case of Enteric
150—Oct.	1	S.S. Avoca (H.M. Transport)	Cape Town	Troops — Eighty-two Convalescent cases of Enteric
151—Oct.	1	S.S. Roslin Castle (H.M. Transport)	Port Elizabeth	One case Measles Recovered
152—Oct.	5	S.S. Galician	London	Two cases of Chicken Pox
153—Oct.	5	S.S. Cestrian (H.M. Transport)	Cape Town	One case of Enteric. One case of Continued Fever. Five cases of Scarlet Fever.
154—Oct.	6	S.S. Lake Michigan (H.M. Transport)	Cape Town	One case of Enteric
155—Oct.	7	S.S. Galeka	Durban	One case of Measles
156—Oct.	9	S.S. St. Louis	New York	One case of Measles. One case of Chicken Pox
157—Oct.	9	S.S. Sicilia (H.M. Transport)	Durban	Mild cases of Malaria
158—Oct.	9	S.S. Konig Albert	Yokohama	One case of Enteric Fever, landed at Nagasaki
159—Oct.	11	S.S. Kildonan Castle	Natal	Five cases of Enteric. One case of Scarlet Fever
160—Oct.	18	S.S. Saxon	Cape Town	Two cases of Enteric on outward voyage
161—Oct.	21	S.S. City of Vienna (H.M. Transport)	East London	Two cases of Enteric, and one case of Measles
162—Oct.	25	S.S. Kinfauns Castle	Natal	Case of Enteric Fever

## REMARKS.

145—No action taken.

146—Disinfection on ship carried out by Port Sanitary Authority.

147—Disinfection on ship carried out by Port Sanitary Authority.

148—No action taken, vessel proceeding to Antwerp.

149—Case removed to Hospital. Bedding removed with case. Disinfection carried out. Vessel proceeded to London.

150—Cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.

151—Disinfection carried out.

152—Cases removed to Isolation Hospital. Ship proceeded to Cape Town.

153—All cases removed to hospital. Disinfection carried out by Port Sanitary Authority.

154—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

155—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

156—Both cases removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

157—No action taken.

158—No action taken.

159—Two cases of Enteric removed to Isolation Hospital. Two cases of Enteric and Scarlet Fever case removed to Netley Hospital. One case of Enteric died at sea. Disinfection carried out by Port Sanitary Authority.

160—Cases landed at Cape Town. Disinfection carried out.

161—One case of Enteric removed to Isolation Hospital, and one case removed to Netley Hospital. Case of Measles (convalescent). Disinfection of ship carried out by Port Sanitary Authority.

162—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

Date.		Name of Vessel.	Where from.	Nature of Sickness.
163—Oct.	26	S.S. Malta	Durban	Twelve cases of Scarlatina amongst troops, 11 of which were landed at Aden, the other at Alexandria
164—Oct.	27	S.S. Michigan	Durban	Crew—Two cases of Enteric, 1 case of suspicious Glandular Swelling
165—Oct.	28	S.S. Britannic	Cape Town	One case of Measles, convalescent
166—Oct.	28	S.S. Adolph Woerrman	Cameroons	One death, Malaria
167—Oct.	31	S.S. Englishman	Durban	Two cases of Enteric
168—Nov.	1	S.S. Norman	Natal	One case of Enteric
169—Nov.	8	S.S. Orient (H.M. Transport)	Durban	One case of Scarlet Fever
170—Nov.	16	S.S. Magdalena	La Plata	Two cases of Chicken Pox(convalescents)
171—Nov.	18	S.S. Oreana (H.M. Transport)	Durban	One case of Enteric
172—Nov.	20	S.S. St. Louis	New York	One case of Enteric
173—Nov.	27	S.S. Arundel Castle	Durban	Three deaths from Enteric
174—Nov.	27	S.S. Syria (H.M. Transport)	Bombay	Eight cases of Measles. Eleven cases of Varicella (convalescent)
175—Dec.	3	S.S. Plassy (H.M. Transport)	Bombay	One case Leprosy
176—Dec.	14	S.S. Danube	La Plata	One mild case of Enteric, convalescent on arrival ; one case Malaria, convalescent
177—Dec.	20	S.S. Sunda (H.M. Transport)	Cape Town	Two cases of Enteric (convalescent)
178—Dec.	24	S.S. Elenore Woermann	Cameroons	Seven cases of Malaria
179—Dec.	27	S.S. Kinfauns Castle	Natal	One suspicious case of Enlarged Glands ; one case of Enteric (convalescent)

## REMARKS.

163—Disinfection carried out.

164—One case of Enteric removed to Isolation Hospital ; the other case (died at sea), suspicious case of glandular swelling removed to Hospital. All bedding in Troop Hospital and some ship's linen removed for disinfection, and all troop decks and hospital disinfected by Port Sanitary Authority (see text of report).

165—Disinfection carried out by Port Sanitary Authority.

166—No action taken.

167—Cases landed at Queenstown. Disinfection carried out by Port Sanitary Authority.

168—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

169—Cases removed to Hospital. The whole of the Government Bedding removed for Disinfection to West Quay, and all Troop Decks disinfected in consequence of the Bedding having been mixed with that used by the Scarlet Fever Case.

170—Disinfection carried out by Port Sanitary Authority.

171—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.

172—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

173—Disinfection carried out.

174—Chicken Pox cases were bathed on board and discharged. Measles cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.

175—Case—Wife and three children removed in Steam Ambulance to Netley Hospital. Effects landed with case. Disinfection carried out by Port Sanitary Authority.

176—Disinfection carried out by Port Sanitary Authority.

177—Disinfection carried out by Port Sanitary Authority.

178—No action taken.

179—Enteric case removed to Hospital. The case of Enlarged Glands and Attendant removed, with bedding and effects, to Hospital. Disinfection carried out by Port Sanitary Authority. (See text of Report.)

## TABLE D.

## INFECTIOUS DISEASE.

Table showing the number of cases reported to have occurred on vessels bound for Southampton, and the number of them actually landed at this Port.

DISEASE.	Total cases reported.	Cases actually landed and removed for isolation	Cases occurring during voyage and dealt with before arrival here, or died at sea.					Total.
			Landed at other Ports.	Proceeded in vessel to other Ports.	Died at Sea.	Convalescent on arrival.		
Small Pox	2	2	...	...	...	...	...	...
Suspected ditto	1	...	1	...	...	..		1
Scarlet Fever	25	10	13	...	1	1	15	15
Diphtheria	2	...	1	...	1	...		2
Enteric Fever	179	127	21	1	20	10		52
Erysipelas	5	2	...	...	...	3		3
Measles	187	25	141	...	3	18		162
Chicken Pox	19	6	...	...	2	11		13
Suspected Plague	2	2	...	...	...	...		...
Yellow Fever	1	...	1	...	...	...		1
<b>Totals</b>	<b>..</b>	<b>423</b>	<b>174</b>	<b>178</b>	<b>1</b>	<b>27</b>	<b>43</b>	<b>249</b>

Cases of Sickness (other than infectious shown, in Table D) reported to have occurred on vessels bound for Southampton. Minor ailments have been omitted.

Malarial Fever	...	...	145	Apoplexy	...	...	...	...	6
Elevated Temperature	...	...	19	Sunstroke	...	...	...	...	4
Dysentery	...	...	16	Meningitis	...	...	...	...	1
Beri Beri	...	...	1	Heart Disease	...	...	...	...	17
Phthisis	...	...	29	Tonsilitis	...	...	...	...	6
Leprosy	...	...	1	Gastritis	...	...	...	...	2
Venereal Diseases	..	...	65	Peritonitis	...	...	...	...	1
Influenza	...	...	8	Cirrhosis of Liver	...	...	...	...	1
Pneumonia	...	...	107	Delirium Tremens	...	...	...	...	1
Pleurisy	...	...	1	Nephritis	...	...	...	...	1
Rheumatic Fever	...	...	2						

## TABLE E.

## THE PRINCIPAL ZYMATIC DISEASES

Reported to have existed on Vessels bound for Southampton for nine years, 1894-1902.

DISEASE.	1894	1895	1896	1897	1898	1899	1900	1901	1902
Small Pox	4	4	6	15	11	12	19	4	2
Scarlet Fever	2	...	2	..	...	2	3	4	25
Enteric Fever	10	4	10	15	14	12	260	252	179
Diphtheria	...	...	2	3	1	1	5	2	2
Measles	5	2	32	32	37	41	53	61	187
Yellow Fever	...	...	2	3	1	1	5	...	1
Plague	...	...	...	...	1	...	...	3*	...

\* Two of these were convalescent cases from Cape Town.

## DEATHS AT SEA.

One hundred and twenty deaths were reported during the year as having occurred on vessels bound for Southampton.

Respiratory Diseases and Enteric Fever were responsible for a large number of deaths, the mortality from Enteric occurring chiefly amongst troops on Transports.

Heart Disease ...	...	...	...	16	Scarlet Fever ...	...	...	...	1
Phthisis ...	...	...	...	16	Chicken Pox ...	...	...	...	2
Diphtheria ..	...	...	...	1	Malarial Fever ...	...	...	...	10
Pneumonia ...	...	...	...	23	Enteric Fever ...	...	...	..	20
Heat Apoplexy ...	...	...	...	4	Venereal Disease ...	...	...	...	2
Measles...	...	...	...	3	Other Diseases ...	...	...	...	22

## PLAQUE.

Cases of Plague occurred, or Plague-infected rats were found, at the following places during the year :—

Manchuria, China, Japan, Bombay, Mauritius, Durban, Port Elizabeth, Arabia, Egypt, Odessa, Constantinople, Galata, Smyrna, San Francisco, Mazaltan (Mexico), Rio Janeiro, Campos, Corumba, and Victoria (Brazil).

All vessels arriving from the above-mentioned ports or countries have been boarded off Netley, medically examined, and the names and addresses of all persons landing taken before they were allowed to proceed to Docks. All troopships were boarded off Netley in co-operation with the Naval and Military representatives at the port.

Two cases of suspicious illness simulating Plague were removed for observation, and specimens of blood and serum for bacteriological examination forwarded to the Local Government Board.

The following are the particulars of the two cases removed for observation :—

(1) Oct. 27.—C. R., Trooper in the Imperial Yeomanry, arrived on H.M. Transport "Michigan." Patient was found on arrival of vessel with elevated temperature, enlarged inguinal glands, considerably indurated, and tender. As no cause could be ascertained for the illness, the patient was removed for observation and specimens of blood and serum from enlarged glands forwarded for bacteriological examination to the Local Government Board. Contacts were also removed with patient.

The result of the examination was negative.

(2) Dec. 27.—J. K., a fireman on the s.s. "Kinfauns Castle." The patient was reported on arrival suffering from enlarged glands and elevated temperature, for which no cause could be ascribed. Precautions of a similar character to those adopted in the previous case were carried out. The bacteriological examination gave a negative result.

#### CHOLERA.

Cholera occurred in more or less epidemic form during the year in various places, viz., India, China, Arabia, Red Sea Coast, and the whole of the Syrian Coast, and in Cairo, Port Said, and Alexandria.

All vessels from these places were medically inspected before arrival in dock. No case, however, occurred on any vessel bound for this Port.

## YELLOW FEVER.

One case of Yellow Fever was reported to have occurred on board a vessel bound for Southampton ; the case was landed at Buenos Ayres. The bedding was destroyed and disinfection carried out by the Sanitary Authority of that city. No further case occurred, and the crew and passengers were all well on arrival here.

## SMALL POX.

One case of Small Pox and one case notified as Small Pox were landed from vessels arriving in the port during the year. The particulars of same are as follows :—

(1). July 12—H.M.T. "Oratava," from South Africa. The patient, F.G., was a Major in the Gordon Highlanders, and was removed and isolated on the Hospital Ship. The patient was discharged on July 30th.

(2). August 15—J.B., S.S. "Southwark," from New York. The case was reported on arrival here as Small Pox. The patient was removed for observation, but the disease proved not to be Small Pox.

Small Pox existed in epidemic form at Barbadoes throughout the greater part of the year, but fortunately no case occurred on any vessel arriving here from the West Indies.

## TROOPSHIPS.

One hundred and thirty-eight transports arrived from various Colonial Ports during the year, landing approximately 136,188 troops and passengers and 19,992 crews, a total increase of 58,393 over 1901.

One hundred and eighteen of the transports arrived from South Africa, 12 from Bombay, 3 from Bermuda, and one each from Halifax, Alexandria, Melbourne, Hong-Kong, and Calcutta.

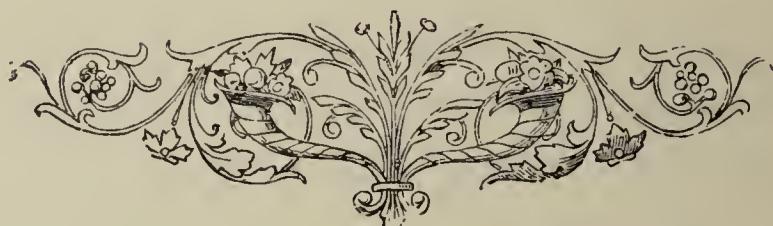
All these vessels were boarded off Netley and medically inspected, in co-operation with the Naval and Military Officers.

The infectious diseases existing on board and action taken are detailed in Table (C).

Most of the infectious cases existing amongst the troops, other than suspected Plague and Small-pox, were removed to Netley Hospital ; cases amongst the crew and the cases of suspected Plague and Small-pox were removed to the Port and Borough Isolation Hospitals.

As in the previous year, a large amount of disinfection has been carried out by the Port Sanitary Authority on the Transports, and in several cases all the bedding, &c., has been removed to West Quay and disinfected.

The appended table gives a detailed list of transports arriving in the Port.



## TABLE F.

LIST OF TRANSPORTS ARRIVING IN THE PORT OF  
SOUTHAMPTON FROM FOREIGN PORTS DURING  
THE YEAR 1902.

Date.	Name of Vessel.	Where from	Crew.	Passengers.
1902				
Jan. 5th	S.S. Bavarian	Cape Town	178	1090
Jan. 10th	S.S. Harlech Castle	Bermuda	86	210
Jan. 11th	S.S. Oratava	Cape Town	138	424
Jan. 20th	S.S. Canada	„	174	725
Jan. 24th	S.S. Mohawk	„	90	696
Jan. 29th	S.S. Hardinge	Bombay	313	1109
Jan. 30th	S.S. Orcana	Natal	104	239
Feb. 4th	S.S. Tintagel Castle	Mossel Bay	137	736
Feb. 11th	S.S. Roslin Castle	Cape Town	112	839
Feb. 11th	S.S. Montrose	Bermuda	87	134
Feb. 12th	S.S. Plassy	Cape Town	229	1114
Feb. 26th	S.S. Assaye	Bombay	228	1552
March 2nd	S.S. Avoca	Durban	237	341
March 4th	S.S. Orient	Cape Town	160	677
March 6th	S.S. Sicilia	Durban	192	1431
March 6th	S.S. Lake Erie	Cape Town	106	654
March 13th	S.S. Britannic	Durban	159	887
March 17th	S.S. Nubia	„	197	262
March 18th	S.S. Oratava	Cape Town	144	791
March 24th	S.S. Ulstermore	„	86	406
March 26th	S.S. Harlech Castle	Halifax	91	217
March 27th	S.S. Manila	Cape Town	115	646
April 1st	S.S. Canada	„	175	1413
April 3rd	S.S. Dilwara	„	170	844
April 4th	S.S. Hardinge	Bombay	299	1027

TABLE F—*Continued.*

Date.	Name of Vessel.	Where from.	Crew.	Passengers.
April 4th	S.S. Dunera	Durban	172	238
April 10th	S.S. Roslin Castle	Cape Town	117	952
April 11th	S.S. Wakool	Durban	85	916
April 15th	S.S. City of Vienna	Cape Town	128	705
April 16th	S.S. Orcana	Natal	104	239
April 18th	S.S. Plassy	Bombay	228	919
April 21st	S.S. Bavarian	„	174	655
April 28th	S.S. Armenian	„	91	271
April 29th	S.S. Assaye	Cape Town	226	1060
May 3rd	S.S. Victorian	„	96	640
May 9th	S.S. Britannic	„	158	1065
May 11th	S.S. Montrose	Durban	108	1195
May 13th	S.S. Sicilia	Cape Town	186	1160
May 15th	S.S. Oratava	„	145	827
May 22nd	S.S. Simla	Durban	186	577
May 22nd	S.S. Orient	„	160	987
May 27th	S.S. Canada	Cape Town	170	1543
May 29th	S.S. Ulstermore	„	83	419
June 4th	S.S. Lake Erie	„	107	553
June 4th	S.S. Dilwara	„	170	883
June 10th	S.S. Manhattan	„	77	647
June 12th	S.S. Hardinge	Bombay	305	1321
June 15th	S.S. Nubia	Durban	180	535
June 18th	S.S. Roslin Castle	Cape Town	124	1005
June 21st	S.S. Plassy	„	218	1098
June 22nd	S.S. America	Port Elizabeth	69	—
June 24th	S.S. Bavarian	Cape Town	189	2260
June 24th	S.S. Syria	Durban	187	1329
July 3rd	S.S. Dunera	„	171	433
July 8th	S.S. Assaye	„	220	1258

33  
TABLE F—*Continued.*

Date.	Name of Vessel.	Where from.	Crew.	Passengers
July 12th	S.S. Oratava	Cape Town	161	803
July 16th	S.S. Wakool	Durban	86	753
July 19th	S.S. City of Vienna	Cape Town	121	1086
July 19th	S.S. Tagus	Cape Town	117	1394
July 23rd	S.S. Harlech Castle	„	86	542
July 24th	S.S. Canada	„	173	1199
July 28th	S.S. Victorian	„	93	659
July 29th	S.S. Sicilia	Durban	190	1262
July 30th	S.S. Avoca	„	170	641
August 2nd	S.S. Columbia	Port Elizabeth	69	471
August 2nd	S.S. Staffordshire	Cape Town	124	1264
August 3rd	S.S. Mohawk	Durban	95	961
August 3rd	S.S. Malta	Cape Town	178	1234
August 8th	S.S. Corinthian	East London	112	638
August 9th	S.S. St. Andrew	Durban	91	1672
August 10th	S.S. Custodian	„	84	541
August 15th	S.S. Fort Salisbury	Cape Town	95	573
August 19th	S.S. Simla	„	182	535
August 19th	S.S. Orissa	„	133	1052
August 20th	S.S. Rameses	Alexandria	48	288
August 20th	S.S. Dilwara	Cape Town	178	1119
August 23rd	S.S. Gascon	Algoa Bay	132	1545
August 26th	S.S. Templemore	Durban	88	1520
August 26th	S.S. Arundel Castle	„	112	1438
August 27th	S.S. Moravian	Melbourne	102	529
August 27th	S.S. Goth	Durban	119	1174
August 27th	S.S. Braemar Castle	Algoa Bay	158	1527
August 28th	S.S. Aurania	Durban	211	1342
August 28th	S.S. Maplemore	Cape Town	100	1982
August 28th	S.S. Berwick Castle	Durban	70	722

TABLE F—*Continued.*

Date.	Name of Vessel.	Where from.	Crew.	Passengers.
August 29th	S.S. Nubia	Durban	180	507
Sept. 2nd	S.S. Syria	Cape Town	188	1060
Sept. 5th	S.S. Bulawayo	„	102	613
Sept. 6th	S.S. Bavarian	„	176	2128
Sept. 7th	S.S. Plassy	East London	224	1010
Sept. 9th	S.S. Oratava	Cape Town	139	1296
Sept. 10th	S.S. Soudan	Durban	177	1442
Sept. 10th	S.S. Dominion	Cape Town	125	1544
Sept. 11th	S.S. Orcana	„	107	367
Sept. 11th	S.S. Manila	Durban	109	669
Sept. 11th	S.S. Palawan	East London	116	968
Sept. 13th	S.S. Golcondi	Durban	189	1075
Sept. 15th	S.S. Ortona	„	188	1672
Sept. 15th	S.S. European	Cape Town	105	1920
Sept. 18th	S.S. Assaye	„	219	1103
Sept. 21st	S.S. Oswestry Grange	„	72	2028
Sept. 22nd	S.S. Sunda	„	131	997
Sept. 24th	S.S. Tagus	„	134	1354
Sept. 27th	S. S. Canada	„	167	1786
October 1st	S.S. Avoca	„	169	606
October 3rd	S.S. Avondale Castle	East London	138	1584
October 4th	S.S. Winfredian	Cape Town	111	1907
October 5th	S.S. Cestrian	„	91	1368
October 6th	S.S. Mohawk	Port Elizabeth	97	775
October 6th	S.S. Lake Michigan	Cape Town	113	2055
October 9th	S.S. Sicilia	Durban	190	1147
October 9th	S.S. Dunera	Port Elizabeth	170	1126
October 11th	S.S. Rippingham Grange	Durban	70	1526
October 16th	S.S. Manchester Merch't	Cape Town	81	1067
October 16th	S.S. Pinemore	„	86	1335

TABLE F—*Continued.*

Date.	Name of Vessel.	Where from.	Crew.	Passengers.
October 21st	S.S. City of Vienna	East London	101	1085
October 21st	S.S. Dilwara	Cape Town	169	1002
October 26th	S.S. Sardinia	„	186	1377
Oct. 26th	S.S. Malta	Durban	181	1004
Oct. 27th	S.S. Michigan	„	119	1455
Oct. 28th	S.S. Britannic	Cape Town	176	1114
Oct. 28th	S.S. St. Andrew	„	94	1557
Oct. 29th	S.S. Orissa	Durban	134	1089
Oct. 30th	S.S. Simla	„	184	535
Oct. 31st	S.S. Englishman	„	90	894
Nov. 2nd	S.S. Nubia	Cape Town	162	530
Nov. 8th	S.S. Orient	Durban	159	391
Nov. 18th	S.S. Orcana	„	104	401
Nov. 27th	S.S. Syria	Bombay	211	1383
Nov. 30th	S.S. Staffordshire	Bermuda	124	622
Dec. 3rd	S.S. Plassy	Bombay	235	1515
Dec. 11th	S.S. Soudan	„	181	1361
Dec. 13th	S.S. Dominion	Durban	135	1468
Dec. 15th	S.S. Assaye	Bombay	226	1312
Dec. 20th	S.S. Sunda	Cape Town	129	519
Dec. 21st	S.S. Sicilia	Bombay	193	1334
Dec. 24th	S.S. Palawan	Hong-Kong	132	759
Dec. 30th	S.S. Wakool	Calcutta	84	856
			19,992	136,218

## GENERAL SANITARY INSPECTION.

## TABLE G.

Showing number of Vessels inspected, including re-visits with per centage of defects.

Date.	Foreign Vessels Visited.	Coasting Vessels Visited.	Total Inspections.	Number found Defective.	Per centage Defective.
1890	1,750	3,570	5,320	75	1·4
1891	1,755	3,840	5,595	88	1·5
1892	1,788	2,819	4,607	57	1·2
1893	2,976	2,513	5,489	162	2·95
1894	2,196	4,190	6,386	239	3·74
1895	2,212	3,822	6,034	111	1·83
1896	2,312	3,196	5,508	105	1·9
1897	1,692	3,345	5,037	105	2·1
1898	1,766	3,136	4,902	48	0·97
1899	1,786	2,585	4,371	42	0·96
1900	1,666	1,795	3,461	52	1·5
1901	3,586	2,549	6,135	73	1·2
1902	2,191	3,464	5,655	175	3·1

## INSPECTION OF VESSELS.

The number of inspections made amounted to 4,530, not including 1,125 revisits. This is an increase of 616 inspections, but a decrease of 1,069 revisits, compared with 1901.

Passengers and cargo vessels, other than those from infected ports, are boarded immediately they arrive alongside the quays. Vessels which only discharge passengers off Hamble are waited upon by tenders. An officer of the Port Sanitary Authority accompanies each tender and receives a report as to the health of the persons on board, and more particularly of those who are to be

landed at Southampton. The number of such vessels visited was 169, and the number of passengers landed 5,098. In many instances the Steam Ambulance accompanies the tender in readiness to remove any infectious disease that may exist on board, without causing any delay to the vessel.

### NUISANCES.

One hundred and seventy-five nuisances, principally of an unimportant character, were discovered during the year, being an increase of 102 compared with the previous year.

The majority of the nuisances were abated by verbal notice. In those cases where the vessel sailed before the notice could be complied with, if the vessel was proceeding to a home port, information as to the non-compliance with the notice was forwarded to the Port Medical Officer of the district to which such vessel was proceeding.

The nuisances consisted mainly of the following :—

Uncleanly Crews' Quarters	...	...	110
Dampness of Crews' quarters, caused by want of ventilation	...	...	22
Foul condition of Waterclosets and Urinal	...	...	20
Defective Waterclosets	...	...	9
Uncleanly Food Lockers	...	...	16
Defective and uncleanly fresh water tanks	...	...	74
Defective stoves and stove pipes	..	...	13
Uncleanly Cook's Galleys	..	...	4
Leaky decks over crews' quarters	..	...	4

### DISINFECTION.

Disinfection was carried out by the Port Sanitary Authority on 117 vessels and 22,225 articles of bedding, &c. (including a number of parcels containing pieces of bedding and effects counted as one article but disinfected separately), were removed to West Quay Hospital and disinfected in the Steam Disinfector, and returned to the various vessels from which they were removed.

## RATS.

The total number of rats caught during the year on vessels, &c., in the docks and destroyed, amounted to 24,868.

## WATER SUPPLY.

Three samples of water were taken from water-tanks of vessels from foreign ports and submitted to the Borough Analyst for analysis. The samples proved to be of good quality.

The water barges supplying vessels and yachts in the port with drinking water were frequently inspected, and found in a satisfactory condition.

## TABLE H.

Table showing the total number of vessels visited, nationality, description, and number defective, during the year 1902 (not including re-visits).

Nationality.			Steam.	Sail.	Total.	Defective.
American	...	...	48	2	50	20
British	...	...	2546	1461	4007	139
Belgian	...	...	23	0	23	0
Dutch	...	...	80	3	83	2
Danish	...	...	2	8	10	0
French	...	..	3	26	29	6
German	...	...	288	20	258	2
Greek	...	...	1	0	1	0
Italian	...	...	3	0	3	1
Norwegian	...	...	9	18	27	1
Russian	...	...	0	13	13	1
Spanish	...	...	2	0	2	1
Swedish	...	...	15	9	24	2
Total		...	2970	1560	4530	175



